ZR250KCE-TEC
HFC, R-407C, 60 Hz, 3 - Phase, 208/230 V , Also Available with Variable Frequency Drives
Air Conditioning
Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evaporator Temp. (°F)	45.00	35
Condensing Temp. (°F)	130.00	120
Return Gas Temp. (°F)	65.00	55
Liquid Temp. (°F)	115.00	105
Capacity (BTU/hr)	240000	208000
Power (W):	21700	18900
Current (Amps):	67.8	60.4
EER(BTU/Wh):	11.1	11
Mass Flow (lbs/hr):	3500	2900
Sound Data @		
Sound Power (dBA):	88 Avg	93 Max
Vibration mils(peak-peak):	3.5 Avg	5.0 Max
Record Date:	2016-06-10	

Mechanical

Displacement (in^3/Rev):	19.84
Displacement (ft^3/Hr):	
Overall Length (in):	16.80
Overall Width (in):	14.80
Overall Height (in):	28.60
Mounting Length (in):	10.50
Mounting Width (in):	10.50
Mounting Height (in):	29.00
Suction Size (in),Type:	1 5 / 8 Stub
Discharge Size (in),Type:	1 3 / 8 Stub
Initial Oil Charge (oz):	158
Oil Recharge (oz):	148
Oil Type:	3MA
Net Weight (lbs):	306.0
Internal Free Volume (in^3):	
Horse Power:	20.0

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA High* (Amps):	505.0
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	114
Max Operating Current (Amps):	91.0
RLA, MCC/1.4(use for contactor selection)(Amps):	81.4
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	73.1
RPM:	3500
Box IP :	56
UL File No:	SA-2337
UL File Date:	2014-03-21

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
No data available in table					

European Pressure Equipment Directive (PED):	
Fluid Group:**	FG 2
PS Low / High Side (BAR):	20.0 / 32.0
TS Min (°C):	-35
TS Max (°C):	50
Volume (L) :	21.1 / 4.1

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-134a HFC	200	3	50	Air Conditioning
R-134a HFC	208/230	3	60	Air Conditioning
R-22 HCFC	200	3	50	Air Conditioning
R-22 HCFC	208/230	3	60	Air Conditioning
R-22 HCFC	208/230	3	60	Air Conditioning
R-22 HCFC	200	3	50	Air Conditioning
R-407C HFC	200	3	50	Air Conditioning